

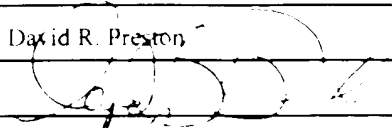
4-5153/651
11/21/02

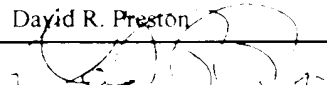
TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number:	10-072,975
		Filing Date:	February 9, 2002
		First Named Inventor:	Efimov
		Group Art Unit:	1651
		Examiner:	tbd
Total Pages in This Submission:	13	Attorney Docket Number:	AM-00102.P.1.1-US

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ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal, Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits / Declarations(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Requests	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Inclosures, identified below: Copies of References Cited Postcard
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts / Incomplete Application	Remarks:	
<input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual Name	David R. Preston
Signature	
Date	7/2/00

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date.			Date: 7/2/00
Typed or printed name:	David R. Preston		
Signature		Date:	7/2/00



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FEE TRANSMITTAL Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO SB 09-12. See 37 C.F.R. §§ 1.27 and 1.28.		Complete if Known	
		Application Number:	10 072,975
		Filing Date:	February 9, 2002
		First Named Inventor:	Efimov
		Group Art Unit:	1651
Total Amount of Payment	\$ 0.00	Docket Number:	AM-00102.P.1.1-US

METHOD OF PAYMENT	
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: <input type="checkbox"/> Deposit Account Name: <input type="checkbox"/> <input type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance.	
2. <input type="checkbox"/> Payment Enclosed <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other	

FEE CALCULATION						
1. BASIC FILING FEE						
	Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
	101	790	201	395	Utility Filing Fee	\$
	106	330	206	165	Design Filing Fee	\$
	107	540	207	270	Plant Filing Fee	\$
	108	790	208	395	Reissue Filing Fee	\$
	114	150	214	75	Provisional Filing Fee	\$
SUBTOTAL (1)						\$0.00

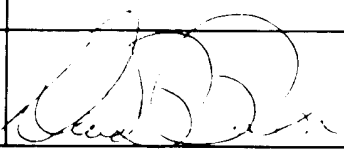
2. EXTRA CLAIM FEES								
				Extra Claims		Fee From Below		Fee Paid
Total Claims	[]	-20 **	Equals	[]	Times	[]	Equals	\$
Independent t Claims	[]	-3 **	Equals	[]	Times	[]	Equals	\$
Subtotal (2)								\$0.00
** or number previously paid, if greater. For Reissues, see below								
	Large Entity		Small Entity		Fee Description			
	Fee Code	Fee (\$)	Fee Code	Fee (\$)				
	103	22	203	11	Claims in excess of 20			
	102	82	202	41	Independent claims in excess of 3			
	104	270	204	135	Multiple dependent claim, if not paid			
	109	82	209	41	** Reissue independent claims over original patent			
	110	22	210	11	** Reissue claims in excess of 20 and over original patent			

3. ADDITIONAL FEES					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	\$
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	\$
147	2,520	147	2,520	For filing a request for reexamination	\$
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	\$
115	110	215	55	Extension for reply within first month	\$
116	400	216	200	Extension for reply within second month	\$
117	950	217	475	Extension for reply within third month	\$
118	1,510	218	755	Extension for reply within fourth month	\$
128	2,060	228	1,030	Extension for reply within fifth month	\$
119	310	219	155	Notice of Appeal	\$
120	310	220	155	Filing a brief in support of an appeal	\$
121	270	221	135	Request for oral hearing	\$
138	1,510	138	1,510	Petition to institute a public use proceeding	\$
140	110	240	55	Petition or revive - unavoidable	\$
141	1,320	241	660	Petition or revive - unintentional	\$
142	1,320	242	660	Utility issue fee (or reissue)	\$
143	450	243	225	Design issue fee	\$
144	670	244	335	Plant issue fee	\$
122	130	122	130	Petitions to the Commissioner	\$
123	50	123	50	Petitions related to provisional applications	\$
126	240	126	240	Submission of Information Disclosure Statement	\$
581	40	581	40	Recording each patent assignment per property	\$
146	790	246	395	Filing a submission after final rejection (37 C.F.R. 1.129(a))	\$
149	790	249	395	For each additional invention to be examined (37 C.F.R. 1.129(b))	\$
Other fee (specify)					\$

Fee Transmittal
Corresponding to PTO SB 17

• Reduced by Basic Filing Fee Paid	Subtotal (3)	\$ 0.00
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4. SUMMATION OF FEES	
SUBTOTAL (1)	\$ 0.00
SUBTOTAL (2)	\$ 0.00
SUBTOTAL (3)	\$ 0.00
TOTAL FEES	\$ 0.00

SUBMITTED BY			Complete (If Applicable)	
Typed or Printed Name	David R. Preston		Registration Number:	38,710
Signature		Date: 7/25/02	Deposit Account User ID Number	501321



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent

Docket Number: AM-00102.P.1.1-US

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AUG 06 2002

TECH-DEPT 1600 1900

In re application of:

Efimov et al.

Examiner: tbd

Application No.: 10 072,975

Art Unit: 1651

Filed: February 9, 2002

For: OLIGONUCLEOTIDE ANALOGUES,
METHODS OF SYNTHESIS, AND
METHODS OF USE

Assistant Commissioner for Patents
Washington D.C. 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO 1449, copies of which were provided in copending United States Application No. 09/805,296 (see, 37 C.F.R. §1.98).

This statement is being filed before the mailing of a First Office Action on the merits under 37 C.F.R. § 1.97(a)(3). Accordingly, no fee under 37 C.F.R. § 1.17(p) is deemed necessary.

Please apply any charges not covered, or any credits, to Deposit Account number 501321 in the name of David R. Preston & Associates, having Customer Number 24232.

Respectfully submitted,

Date:

Aug 25, 2000



David R. Preston
Reg. No. 38,710

David R. Preston & Associates, A.P.C.
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Suite 205
San Diego, CA 92130
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facsimile: 858.724.0384



ORIGINAL

TECH CENT 2-601

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary.)	Docket Number: AM-00102.P.1.1-US	Patent Number: 10 072,975
	Applicant: Efimov et al.	
	Filing Date: February 9, 2002	Group Art Unit: 1651

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRI- ATE
	P1	5,432,272	7 11 95	Brenner			
	P2	5,508,178	4 16 96	Rose <i>et al.</i>			
	P3	5,539,082	7 23 96	Nielsen <i>et al.</i>			
	P4	5,641,625	6 24 97	Ecker <i>et al.</i>			
	P5	5,656,461	8/12/97	Demers			
	P6	5,714,331	2/3/98	Buchardt <i>et al.</i>			
	P7	5,719,262	2/17/98	Buchardt <i>et al.</i>			
	P8	5,736,336	4 7 98	Buchardt <i>et al.</i>			
	P9	5,766,855	6 16 98	Buchardt <i>et al.</i>			
	P10	5,773,571	6 30 98	Nielson <i>et al.</i>			
	P11	5,786,461	7 28 98	Buchardt <i>et al.</i>			
	P12	5,837,459	11 17 98	Berg <i>et al.</i>			
	P13	5,861,250	1/19/99	Stanley <i>et al.</i>			
	P14	5,864,010	1 26 99	Cook <i>et al.</i>			
	P15	5,874,553	2 23 99	Peyman <i>et al.</i>			
	P16	5,888,733	3 30 99	Hyldig-Nielson <i>et al.</i>			
	P17	5,932,711	8 3 99	Boles <i>et al.</i>			

Examiner Signature		Date Considered	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	C L A S S	SUB- CLASS	FILING DATE IF APPROPRIATE
	P18	5,972,610	10 26 99	Buchardt <i>et al.</i>			
	P19	5,977,296	11 2 99	Nielson <i>et al.</i>			
	P20	6,004,750	12 21 99	Frank-Kamenetskii <i>et al.</i>			
	P21	6,015,887	1 18 00	Teng			
	P22	6,020,124	2 1 00	Sorenson			
	P23	6,020,126	2 1 00	Carlsson <i>et al.</i>			
	P24	6,025,140	2 15 00	Langel <i>et al.</i>			
	P25	6,025,482	2 15 00	Cook <i>et al.</i>			
	P26	6,045,995	4 4 00	Cummins <i>et al.</i>			
	P27	6,060,242	5/9/00	Nielson <i>et al.</i>			
	P28	6,063,571	5/16/00	Uhlmann <i>et al.</i>			
	P29	6,107,470	8/22/00	Nielson <i>et al.</i>			
	P30	6,110,676	8 26 00	Coull <i>et al.</i>			
	P31	6,110,678	8 29 00	Weisburg <i>et al.</i>			
	P32	6,150,510	11/21/00	Seela <i>et al.</i>			
	P33	6,165,720	12 26 00	Felgner <i>et al.</i>			
	P34	6,180,770	1/30/01	Boles <i>et al.</i>			

Examiner Signature		Date Considered	
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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
	F1	WO 92 002258	2 20 92					
	F2	WO 92 20702	11 26 92					
	F3	WO 93 10820	6 10 93					
	F4	WO 94 22892	10 13 94					
	F5	WO 94 24144	10 27 94					
	F6	WO 99 14266	3 25 99					
	F7	WO 00/56746	9 28 00					
	F8	WO 00/56748	9/28/00					
	F9	WO 00/56916	9/28/00					
	F10	WO 00/56920	9/28/00					

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D1	Adams et al., J. Am. Chem. Soc. 105:661-663 (1983)
	D2	Ausubel et al., Current Protocols in Molecular Biology, John Wiley and Sons (1998)
	D3	Beaucage and Caruthers, Tetrahedron Lett. 22:1859-1862 (1981)
	D4	Briepohl et al., Bioorg. & Med. Chem. Lett. 6:665 (1996)
	D5	Buchardt et al., PNAs and their Potential Applications in Biotechnology, Tibtech 11: 384-386 (1993)
	D6	Chandler et al., Affinity Capture and Recovery of DNA at Femtomolar Concentrations with PNA Probes, Analytical Biochemistry 283: 241-249 (2000)
	D7	Chow et al., Nucl. Acids Res 9:2807-2817 (1981)
	D8	Cochet et al., Selective PCR Amplification of Functional Immunoglobulin Light Chain from Hybridoma Containing the Aberrant MOPC 21-Derived V κ by PNA-Mediated PCR Clamping, Biotechniques 26: 818-822 (1999)
	D9	Coste et al., Tetrahedron Lett. 31:669-672 (1990)
	D10	Crea and Horn, Nucl. Acids Res. 8:2331-2348 (1980)
	D11	Domling et al., A Novel Method to Highly Versatile Monomeric PNA Building Blocks by Multi Component Reactions, Bioorganic & Medicinal Chemistry Letters 9: 2871-2874 (1999)
	D12	Efimov et al., Nucl. Acids Res 11:8369-8387 (1983)
	D13	Efimov et al., Nucl. Acids Res. 13:3651-3666 (1985)
	D14	Efimov <i>et al.</i> , Application of new catalytic phosphate protecting groups for the highly efficient phosphotriester oligonucleotide synthesis, <i>Nucl. Acids Res.</i> 14:6525-6540 (1986)
	D15	Efimov et al., Abstracts of Protein Engineering Symposium, Groningen, May 4-7, 1986, Groningen, The Netherlands, Drenth, ed. p.9 (1986)
	D16	Efimov et al., Collect. Czech. Chem. Commun. 61:S262-S264 (1996)

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D17	Efimov et al., Bioorg. Khim. 24:696-709(1998)
	D18	Efimov <i>et al.</i> , Synthesis and evaluation of some properties of chimeric oligomers containing PNA and phosphono-PNA residues, <i>Nucl. Acids Res.</i> 26:566-575 (1998)
	D19	Efimov <i>et al.</i> , Synthesis of polyacrylamides N-substituted with PNA-like oligonucleotide mimics for molecular diagnostic applications, <i>Nucl. Acids Res.</i> 27:4416-4426 (1999)
	D20	Efimov <i>et al.</i> , Peptide Nucleic Acids and Their Phosphonate Analogues: II. Synthesis and Physicochemical Properties of Hybrids Containing Serine and 4-Hydroxyproline Residues, <i>Russian Journal of Bioorganic Chemistry</i> 25:545-555 (1999)
	D21	Efimov <i>et al.</i> , Polyacrylamide Conjugates with Oligonucleotides and Their Mimics for Diagnostics, <i>Russian Journal of Bioorganic Chemistry</i> 25:752-758 (1999)
	D22	Efimov <i>et al.</i> , Phosphonate Analogues of Peptide Nucleic Acids and Related Compounds: Synthesis and Hybridization Properties, <i>Nucleosides & Nucleotides</i> 18:1393-1396 (1999)
	D23	Efimov et al., Novel Oligonucleotide Analogues Derived from Serine and 4-Hydroxyproline, <i>Nucleosides & Nucleotides</i> 18(6&7): 1425-1426 (1999)
	D24	Efimov et al., Polyester and N-Methyl Analogues of Peptide Nucleic Acids: Synthesis and Hybridization Properties, <i>Nucleosides & Nucleotides</i> 18(11&12): 2533-2549 (1999)
	D25	Efimov and Chakhmakhcheva, Solid Phase Synthesis of PNA-Like Oligonucleotide Mimics and their Use for Polyacrylamide-Based Molecular Diagnostic Assays, Shemyakin & Ovchinnikov Institute of Bioorganic Chemistry, 10 pgs.
	D26	Egholm et al., Peptide Nucleic Acids Oligonucleotide Analogues with an Achiral Backbone, <i>J. Am. Chem. Soc.</i> 114: 1895-1897 (1992)
	D27	Egholm et al., Recognition of Guanine and Adenine in DNA by Cytosine and Thymine Containing Peptide Nucleic Acids (PNA), <i>J. Am. Chem. Soc.</i> 114: 9677-9678 (1992)
	D28	Egholm et al., PNA Hybridizes to Complimentary Oligonucleotides Obeying the Watson-Crick Hydrogen-Bonding Rules, <i>Nature</i> 365: 566-568 (1993)

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D29	Falkiewicz et al., Synthesis and Characterization of New PNA Monomers, Nucleic Acids Symposium Series 42: 29-30 (1999)
	D30	Fahrlander and Klausner, Amplifying DNA Probe Signals: A 'Christmas Tree' Approach, Biotechnology 6: 1165-1168 (1988)
	D31	Finn et al., Nucl. Acids Res. 24:3357-3364 (1996)
	D32	Froehler et al., J. Am. Chem. Soc. 107:278-279 (1985)
	D33	Gait et al., Nucl. Acids Res. 8:1081-1096 (1980)
	D34	Gait et al. Nucl. Acids Res. 10:6243-6254 (1982)
	D35	Gao et al., Tetrahedron Lett. 32:5477-5480 (1991)
	D36	Goodchild, J. Bioconjugate Chem. 1:165 (1990)
	D37	Hanvey et al., Antisense and Antigene Properties of PNAs, Science 258: 1481-1485 (1992)
	D38	Harlowe and Lane, <u>Antibodies, a Laboratory Manual</u> , Cold Spring Harbor Press (1988)
	D39	Heinklein <i>et al.</i> , in Girault and Andreu (eds.) The Peptides, 21 st European Peptide Symposium, ESCOM, Leiden pp. 67-77
	D40	Igloi, Automated Detection of Point Mutations by Electrophoresis in PNA-containing Gels, BioTechniques 27: 798-808 (1999)
	D41	Ishihara and Corey, Strand Invasion by DNA-Peptide Conjugates and Peptide Nucleic Acids, Nucleic Acids Symposium Series 42: 141-142 (1999)
	D42	Izvolksky et al., Sequence-Specific Protection of Duplex DNA against Restriction and Methylation Enzymes by Pseudocomplementary PNAs, Biochemistry 39: 10908-10913 (2000)

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D43	Kenney et al., Mutation Typing Using Electrophoresis and Gel-Immobilized Acrydite Probes, Biotechniques 25: 516-521 (1998)
	D44	Knudsen and Nielsen, Antisense Properties of Duplex- and Triplex-Forming PNAs, Nucl. Acids Res. 24(3): 494-500 (1996)
	D45	Koster et al., Tetrahedron Lett. 24:747-750 (1983)
	D46	Koysynkina et al., Tetrahedron Lett. 35:5173-5176 (1994)
	D47	Kuwahara et al., Synthesis of Oxy-Peptide Nucleic Acids with Mixed Sequences, Nucleic Acids Symposium Series 42: 31-32 (1999)
	D48	Lohse et al., Double Duplex Invasion by Peptide Nucleic Acid: A General Principle for Sequence-Specific Targeting of Double-Stranded DNA, Proc. Natl. Acad. Sci. 96(21): 11804-11808 (1999)
	D49	Mayfield and Corey, Automated Synthesis of Peptide Nucleic Acids and Peptide Nucleic Acid-Peptide Conjugates, Analytical Biochemistry 268: 401-404 (1999)
	D50	McCollum and Andrus, Tetrahedron Lett. 32:4069-4072 (1991)
	D51	Mollegaard et al., PNA/DNA Strand Displacement Loops as Artificial Transcription Promoters, Proc. Natl. Acad. Sci. 91: 3892-3895 (1994)
	D52	Nielsen et al., Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide, Science 254: 1497-1500 (1991)
	D53	Nielsen, Applications of Peptide Nucleic Acids, Current Opinion in Biotechnology 10:71-75 (1999)
	D54	Nielsen, Antisense Properties of Peptide Nucleic Acid, Methods in Enzymology 313: 156-164 (1999)
	D55	Orum et al., Nucl. Acids Res. 21:5332-5336 (1993)
	D56	Orum et al., Sequence-Specific Purification of Nucleic Acids by PNA-Controlled Hybrid Selection, Biotechniques 19(3): 472-480 (1995)
	D57	Pain et al., Cells Tissues Organs 165:212-219 (1999)
	D58	Proudnikov et al., Immobilization of DNA in PolyAcrylamide Gel for the Manufacture of DNA and DNA-Oligonucleotide Microchips, Analytical Biochemistry 259: 34-41 (1998)

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
	D59	Rehman et al., Immobilization of Acrylamide-modified Oligonucleotides by Co-Polymerization, Nucl. Acids Res. 27(2): 649-655 (1999)
	D60	Sambrook et al., Molecular Cloning: A Laboratory Manual, 2 nd edition, Cold Spring Harbor Press, Cold Spring Harbor, N.Y. (1989)
	D61	Sandler and Karo, Polymer Synthesis Vol. 1, Academic Press (1992)
	D62	Sandler and Karo, Polymer Synthesis Vol. 2, Academic Press (1994)
	D63	Sproat et al., Nucl. Acids Res. 14:1811-1824 (1986)
	D64	Sugimoto et al., Comparison of Thermodynamic Stabilities between PNA/DNA Hybrid Duplexes and DNA/DNA Duplexes, Nucleic Acids Symposium Series 42: 93-94 (1999)
	D65	Sugimoto et al., Positional Effect of Single Bulge Nucleotide on PNA/DNA Hybrid Stability, Nucleic Acids Symposium Series 42: 95-96 (1999)
	D66	Takeuchi et al., Chem. Pharm. Bull. 22:832-840 (1974)
	D67	van der Laan <i>et al.</i> , An Approach Towards the Synthesis of Oligomers Containing a N-2-Hydroxyethyl-aminomethylphosphonate Backbone: A Novel PNA Analogue, <i>Tetrahedron Lett.</i> 37:7857-7860 (1996)
	D68	von Wintzingerode et al., PNA-Mediated PCR Clamping as a Useful Supplement in the Determination of Microbial Diversity, Applied and Env. Microbiology 66(2): 549-557 (2000)
	D69	Wang et al., PNA Binding-Mediated Induction of Human γ -globin Gene Expression, Nucl. Acids. Res. 27(13): 2806-2813 (1999)
	D70	Will <i>et al.</i> , The Synthesis of Polyamide Nucleic Acids using a Novel Monomethoxytrityl Protecting-Group Strategy, <i>Tetrahedron Lett.</i> 51:12069-12082 (1995)
	D71	Zhong et al., Detection of Apolipoprotein B mRNA Editing by PNA mediated PCR Clamping, Biochem. and Biophys. Res. Comm. 259: 311-313 (1999)
	D72	Advertisement for 'mVader', Biotechniques 28 (4): (2000)

Examiner Signature		Date Considered	
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**INFORMATION DISCLOSURE
STATEMENT
BY APPLICANT**

(Use several sheets if necessary)

Docket Number:
AM 000002 P.1.1-US

Patent Number:
10 072,975

RECEIVED

Applicant:
Efimov et al.

Filing Date:
February 9, 2002

Group Art Unit:
1651

TECH-SUMMARY

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	P1	5,760,201	6 2 98	Glazer <i>et al.</i>			
	P2	5,783,687	7 21 98	Glazer <i>et al.</i>			
	P3	6,054,272	4 25 00	Glazer <i>et al.</i>			
	P4	6,180,767	1 30 01	Wickstrom <i>et al.</i>			
	P5	6,232,066	5 15 01	Felder <i>et al.</i>			
	P6	6,280,946	8 28 01	Hyldig-Nielsen <i>et al.</i>			
	P7	6,312,956	11/6/01	Lane			
	P8	6,326,479	12/4/01	Gildea <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
	F1	WO 99/60156	11/25/99					
	F2	WO 00/34521	6/15/00					
	F3	WO 01/01144	1/4/01					
	F4	WO 01/38565	5/31/01					
	F5	WO 01/68673	9/20/01					

Examiner Signature		Date Considered	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EXAMINER INITIALS		CITATION
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Docket Number: A-1-00102.P.1.1-U.S.	Patent Number: 10 072,975
	Applicant: Efimov et al.	
	Filing Date: February 9, 2002	Group Art Unit: 1651

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLA SS	SUB- CLASS	FILING DATE IF APPROPRIATE
	P1						

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation	
							YES	NO
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